

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims:

Listing of Claims:

1. (Currently Amended) A computer system for handling incremental data, comprising:

one or more computer processors implementing a server-controller for receiving a modification-request from a client to modify an original model of an application component that is stored on the server into a modified model of the application component;

a server-renderer implemented on the one or more computer processors for generating at least one browser-increment that corresponds to a difference between the original model and the modified model, the browser-increment being less than a whole page of the application component rendered in a browser of the client;

a client-assembler implemented on the one or more computer processors for receiving the at least one browser-increment from the server and updating at the client an original document object model (DOM) component of a browser component with the at least one browser-increment, resulting in a modified DOM component that corresponds to the modified model, wherein the original DOM component corresponds to the original model; and

a client-controller implemented on the one or more computer processors for generating the modification-request.

2. (Previously Presented) The computer system of claim 1, wherein the client-controller stores the at least one browser-increment in a cache-memory of the client and instructs the client-assembler to deactivate the at least one browser-increment upon receiving a deactivation-request.

3. (Previously Presented) The computer system of claim 2, wherein the client-controller retrieves the at least one browser-increment from the cache-memory and instructs the client-assembler to reactivate the at least one browser-increment upon receiving a reactivation-request.
4. (Previously Presented) The computer system according to claim 1, wherein the client-controller instructs the client-assembler to reset the original or modified DOM component upon receiving a reset-request.
5. (Previously Presented) The computer system according to claim 1, wherein the original model and the modified model are defined by a component class selected from a group consisting of a Java class, a Java Server Pages class, a servlet class, a Pascal class, a C class, a C++ class, and a Business Server Pages class.
6. (Previously Presented) The computer system according to claim 1, wherein the browser component is defined by a component script class selected from a group consisting of a JavaScript class, a JavaApplets class and a VisualBasic Script class.
7. (Previously Presented) The computer system of claim 5, wherein the component class implements at least a portion of the server-controller and the server-renderer.
8. (Previously Presented) The computer system of claim 6, wherein the component script class implements at least a portion of the client-controller and the client-assembler.

9. (Previously Presented) The computer system of claim 6, wherein the component script class and a component class have identical hierarchies.

10. (Currently Amended) A server for handling incremental data, comprising:

one or more computer processors implementing a server-controller for receiving a modification-request from a client-controller of a client in a computer system to modify an original model of an application component that is stored on the server into a modified model of the application component; and

a server-renderer implemented on the one or more computer processors for generating at least one browser-increment that corresponds to a difference between the original model and the modified model; the at least one browser-increment made to be sent to a client-assembler of the client for updating an original document object model (DOM) component that corresponds to the original model with the at least one browser-increment, resulting in a modified DOM component that corresponds to the modified model, the browser-increment being less than a whole page of the application component rendered in a browser of the client.

11. (Currently Amended) A client for handling incremental data, comprising:

one or more computer processors implementing a client-controller sending a modification-request to a server-controller of a server in a computer system; and

a client-assembler implemented on the one or more computer processors receiving at least one browser-increment from the server and updating an original document object model (DOM) component that corresponds to an original model of an application component with the at least one browser-increment, resulting in a modified DOM component that corresponds to a

modified model of the application component , the browser-increment being less than a whole page of the application component rendered in a browser of the client,

wherein the server-controller modifies the original model being stored on the server into the modified model, and a server-renderer of the server generates the at least one browser-increment that corresponds to a difference between the original model and the modified model.

12. (Previously Presented) The client of claim 11, wherein the client-controller stores the at least one browser-increment in a cache-memory of the client and instructs the client-assembler to deactivate the browser-increment upon receiving a deactivation-request.

13. (Previously Presented) The client of claim 12, wherein the client-controller retrieves the at least one browser-increment from the cache-memory and instructs the client-assembler to reactivate the at least one browser-increment upon receiving a reactivation-request.

14. (Previously Presented) The client according to claim 11, wherein the client-controller instructs the client-assembler to reset the original DOM component upon receiving a reset-request.

15. (Currently Amended) A method for handling incremental data on a server, comprising:
receiving by a server-controller a modification-request from a client-controller belonging to a client of a computer system to modify an original model of an application component that is stored on the server into a modified model of the application component;

generating by a server-renderer at least one browser-increment that corresponds to a difference between the original model and the modified model, the browser-increment being less than a whole page of the application component rendered in a browser of the client; and

sending the at least one browser-increment to a client-assembler of the client for updating on the client an original document object model (DOM) component that corresponds to the original model with the at least one browser-increment, resulting in a modified DOM component that corresponds to the modified model.

16. (Currently Amended) A method for handling incremental data on a client, comprising:

sending from a client-controller a modification-request to a server-controller of a server of a computer system; and

receiving by a client-assembler at least one browser-increment from the server as a response to the modification request, the browser-increment being less than a whole page of the application component rendered in a browser of the client; and

updating an original document object model (DOM) component that corresponds to an original model of an application component with the at least one browser-increment, resulting in a modified DOM component that corresponds to a modified model of the application component, wherein the server-controller modifies the original model being stored on the server into the modified model, and a server-renderer of the server generates the at least one browser-increment that corresponds to a difference between the original model and the modified model.

17. (Previously Presented) The method of claim 16, further comprising:

storing the at least one browser-increment in a cache-memory of the client.

18. (Previously Presented) The method of claim 17, further comprising:
deactivating the browser-increment by the client-assembler upon the client-controller
having received a deactivation-request.
19. (Previously Presented) The method of claim 18, further comprising:
retrieving the at least one browser-increment from the cache-memory; and
reactivating the browser-increment by the client-assembler upon the client-controller
having received a reactivation-request.
20. (Canceled).
21. (Canceled).
22. (Currently Amended) A computer system for handling incremental data, comprising:
one or more computer processors implementing a client-controller generating a
modification-request;
a server-controller implemented on the one or more computer processors modifying a
model of an application component on a server as a response to the modification-request;
a server-renderer implemented on the one or more computer processors generating at
least one browser-increment after the model has been modified, the browser-increment being less
than a whole page of the application component rendered in a browser of a client; and

a client-assembler implemented on the one or more computer processors receiving the at least one browser-increment from the server and updating an instance of a browser component at the client with the at least one browser-increment, wherein the browser component corresponds to the application component.